



ATLAS AGREEMENT 620/2020

ATLAS Agreement No. 620/2020

System Administration Support for TDAQ Operations

Between

The ATLAS Collaboration
Represented by the ATLAS Resources Coordinator
on the one hand,

And

University of California Irvine
Represented by its ATLAS-Team Leader
on the other hand.

CONSIDERING THAT:

- The ATLAS M&O MoU (CERN-RRB-2002-035) includes a budget line for operation of the TDAQ system;
- The planned and approved TDAQ system administration manpower is included in the TDAQ M&O-A budget;
- The USA participate in the operation of the ATLAS TDAQ system;
- The University of California Irvine has available technical expertise in the domain of TDAQ operations.

IT IS AGREED AS FOLLOWS:**ARTICLE 1 Scope of the Agreement**

- 1.1 The purpose of this Agreement is to record the provision of System Administration Support for the operation of the ATLAS TDAQ system.

The ATLAS TDAQ System Administration group ensures the operations of the ATLAS TDAQ computing infrastructure, as well as the computers of the different detector systems that are an integral component of the ATLAS data acquisition process, e.g. VMEbus single board computers. In addition to the TDAQ computing infrastructure, the system administrators ensure the correct functioning of the general ATLAS computing infrastructure, e.g. domain name and time servers, DHCP relays, Web servers, MySQL and LDAP clusters, ATLAS gateway machines and ATLAS control room computers.

ARTICLE 2 The Parties

- 2.1 The Parties to this agreement are the University of California Irvine and the ATLAS Collaboration.

ARTICLE 3 Duration of the Agreement

- 3.1 This Agreement is valid for the period January 1st, 2017 – December 31st, 2020.
- 3.2 The Agreement can be terminated by any of the parties announcing it three months in advance. The Agreement can be extended by mutual consent through an appropriate Addendum.

ARTICLE 4 Obligations of the Parties

- 4.1 The University of California Irvine, for the duration of this agreement, will provide 1.5 FTE for the purposes of System Administration of the ATLAS TDAQ System.
- 4.2 ATLAS recognizes as a USA M&O–A in-kind contribution from the University of California Irvine, for the duration of this agreement, 1.5 FTE for the purpose of System Administration of the ATLAS TDAQ System.
- 4.3 University of California Irvine will support the personnel at CERN to execute the agreed work package “System Administration of the ATLAS TDAQ System”.

4.4 The personnel will at all times, while on CERN premises, adhere to the CERN and ATLAS safety rules and regulations which form an integral part of this document.

4.5 The ATLAS Collaboration will provide at CERN adequate facilities to the University of California Irvine personnel executing the agreed work package.

ARTICLE 5 Financial Arrangements

5.1 ATLAS will recognize this effort to the total value of 891,771.17 USD for the years 2017 to 2020. The breakdown of the costs is given in Annex I.

Based on the average of the exchange rates¹ on the 1st of each month in each of the years 2017, 2018, 2019 and the exchange rate on July 21st, 2020, the total value to be recognised in Swiss Francs is 867'890.29 CHF.

ARTICLE 6 Co-ordination and Addresses for Correspondence

6.1 All documents concerning this agreement shall bear the reference:
ATLAS Agreement No. 620/2020

6.2 The performance of this agreement shall be co-ordinated by the following persons:

for the ATLAS Collaboration: D. Francis,
CERN – Department PH,
CH-1211 Geneva 23, Switzerland

for University of California: A. Lankford,
Dept. of Physics and Astronomy,
University of California Irvine,
Irvine CA,
United States of America.

ARTICLE 7 Arbitration

Any differences arising during the execution of this agreement will be submitted to the ATLAS Collaboration Spokesperson who will propose solutions in the best interest of the ATLAS Collaboration.

¹ <https://www1.oanda.com/currency/converter/>

Signatures



A. Lankford
UC Irvine ATLAS Team Leader



S. Veneziano
TDAQ Project leader



S. Rajagopalan
USA ATLAS National Contact Physicist

D. Francis

ATLAS Resources Co-ordinator

Annex I: Breakdown of the annual costs

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2017	\$ 199,850.41	2017 Total
	\$ 194,678.44	2017 Labor
	\$ 678.76	2017 Travel
	\$ 4,493.22	Overhead (2.3%)
2018	\$ 222,915.41	2018 Total
	\$ 215,333.01	2018 Labor
	\$ 2,570.61	2018 Travel
	\$ 5,011.78	Overhead (2.3%)
2019	\$ 233,271.01	2019 Total
	\$ 224,267.03	2019 Labor
	\$ 3,759.37	2019 Travel
	\$ 5,244.61	Overhead (2.3%)
2020	\$ 235,734.33	2020 Total
	\$ 229,760.56	2020 Labor
	\$ -	2020 Travel
	\$ 5,973.77	Overhead (2.6%)
	\$	
Total	\$ 891,771.17	

For calendar year 2020 the values for the labour and travel costs are projections based on the actual costs incurred in 2019. Any difference between the actual costs incurred in 2020 and the projected 2020 costs will be recorded in an addendum to this agreement.